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THE SOVLDIERS GRAMMAR:

Containing,
The High, Necessarie, and most
Curious Rules of the Art Militarie :

As first,

Whether it be in Great *Motions* in Generall? Or Foote
Motions Especially?

Or *Motions* of Horse, Generall, or Speciall?

The Ranges of Foote, or Horse?

The Ranges of Officers.

The Seuerall Imbattailings of Foote, and Horse.

The Imbattailing of a Regiment.

The Ioyning of many Regiments.

Or the Forming of Maine *Battails*, of any extent, or
Number; With their Formes, and Figures, in lively
Demonstration. &c.

By G. M. Gent.





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THE SOLDIERS GRAMMAR.

CHAP. I.

Of Great Motions in generall.



Having in a former short Discourse, or small Booke, Intituled, *The Soldiers Accidence*, (being an Introduction or first Guide into the Art Military) shewed all those first Precepts and Rules which necessarily belong to the

Motives to the
Work.

knowledge of every young Soldier, so farre forth as concernes the Manage and gouvernement of his owne particular person; As also those foure principall Grounds, from whence all the rest of

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this

this famous Art taketh its deuiation and perfection, that is to say.

First, the Carriage and vse of Armes, conteyned in diuers *Postures* or *Stations*, expressing the Forme, Comlineffe and Readinesse of Men in Armes.

Secondly, *Distance* or Seperation of place, whereby Battayles are formed, changed, and proportioned, according to the will and pleasure of the principall Commanders.

Thirdly, March and Motion, which proceeding from certaine peculiar words of Command, and generall direction, the Soldier applieth himselfe to performe euery command in the fullnesse of perfection.

And Fourthly and lastly, the knowledge of the Beatings of the *Drumbe*, by which the Soldier taketh notice of euery Command, when the sound of Mans voice is drowned or obscured.

It now seemeth good vnto me (and I hope it will yeeld a generall profite to the whole Kingdome) to fixe vnto the aforesayd *Accidents* a *Grammar* or *Introductiō* into more higher, necessary and more subtile and curious Rules of the Art *Military*, whereby the younger Schollers may be enabled to proceed and goe forward in the greater and more hidden secrets of the Arte, and the eltier or better experienced Men of Warre, may eyther finde Solutions for such doubtes as shall incumber them; Or else matter whereon to worke, and make their owne more singular Inuentions and Applications more whole-

wholesome for the common vse, and more pleasing to their owne Studies and Labours.

The first thing therefore which I hold most necessary to Intreate of in this *Grammar*, is of *Great Motions in generall*; Because according to the Opinion of the Auncients, *These Military Motions are the Life of an Armie*, and only giue meanes of *Victorie*; and without which, all preparation of *Forces* are vaine, and auaileth nothing in the *Field*, nor to the end for which they were *Leuiad*. Since then, Motion is of this inestimable reputation, the labor cannot be misemployed, which bringeth any luster or explanation vnto the same.

Of the *Smaller Motions*, I haue spoken somewhat already in the *Accidence*; As of *Filcing*, *Rancking*, *Returning to the first Posture*, *Counter-marching*, *Doubling*, and such like, so far soorth as they appertayne to euery single Person, or to the parts and members of a priuate Companie, which we call *Squadrons* or *Camerados*. But now I am to intreat of the *Greater Motions*, which belong to *Regiments*, *Battalies*, and the whole Bodie of an *Armie*: Neyther in the discourse of these things, are you to expect much alteration of wordes, or sence, but only the application of them vnto the *Greater* and more infinite Bodies, from whence they take the denomination of the *Greater Motions*.

The *Gretians* (as *Alian* and his Schollars) doe reckon vp nineteene seuerall *Great Motions*, to which they giue especial Names and Titles.

Motions vsed
in the olde
Warres,

1 The First, they call *Clisis*, which is a Turning to
eyther Hand.

2 The Second, *Metabole*, which we call Tur-
ning about.

3 The Third, *Perispasmos*, which we call Whee-
ling about.

4 The Fourth, *Epistrophe*, which we call a Whee-
ling, eyther to the one, or the other Hand, but not
entire, or about.

5 The Fifth, *Anastrophe*, which we call a Retur-
ning of the Wheele vnto the First Posture or Sta-
tion where it stood before it was mooued, or
Wheeled to eyther Hand.

6 The Sixth, *Eperispasmos*, which we call a treble,
or threefold Wheeling, carrying the *Battalia*
three parts about, but not wholly and entire.

7 The Seuenth, *Plagiophalanx*, or the Broade
Fronted *Phalange*, which we call the Broad Fron-
ted *Battalia*, which hath the Length much excee-
ding the Depth.

8 The Eight, *Orthiophalanx*, which we call the
Deepe *Battalia*, or *Herse Battayle*, which is a Bat-
tayle drawne out in Wing, and hauing the Depth
much exceeding the Length.

9 The Ninth, *Phalange Loxe*, which we call an
Vneuen Fronted *Battalia*, because one of the
Winges (which is thought fittest) is euer drawne
forth before the other, and as a *Forlorne* begin-
neth the Fight against the Enemy, till opportunity
serue that the whole Battayle may Ioyne with
greater aduantage and assurance.

10 The Tenth, *Parembole*, which we call *Insertion*,
being

being a Drawing vp of the Souldiers before, then taking off the Hindermost, we Rankethem within the distances of the First.

The Eleuenth, *Protaxis*, which we call Fore-Fronting, as when we place cyther the Light-Armed or other Loosse Shotte before the Front of the Battayle, and make them Fore-standers or beginners of the Skyrnisch.

11

The Twelfth, *Epitaxis*, which we call an After placing or Attending on the Reare, so that if the Enemie shall Charge behind, yet are the Light-Armed in readinesse, and prepared to giue their Volleys, being placed so behind the Reare (as the other before the Front) for a singular helpe and aroyance.

12

The Thirteenth, *Proffaxis*, which we call a Ioyning of Bodies together, by adding to cyther of the Flankes, or to both entirely, any new Supply of Men, cyther from the Reare of the same *Battalia*, or otherwise, from any other remooued Bodie or Regiment, whereby the Front of the Battayle is increased.

13

The Fourteenth, *Entaxis*, which we call *Infusion*, or *Inserting*, as when we draw the Light-Armed, or Loosse vnguarded Shotte, within the spaces of the Fyles and Rankes of the Armed *Battalia*, so as they may be free from danger, and yet notwithstanding, euer readie to deliuer their Vollies in the face of the Enemies, be they Foote or Horse, as they shall giue their aproaches.

14

The Fifteenth, *Hypotaxis*, which we call Double Winging, as when we draw the Light-Armed

15

or Loose Shott, only within the Armed Wings of the *Battalia*, and not into the Entire Bodie, and placing them in such an Embowed forme, that the whole forme or figure thereof may resemble a threefold Gate or Doore.

16

The sixteenth, we call an *Induction*, or a *Right Induction*, as when one Bodie or *Battalia* of one and the same kinde, in forme and proportion, followeth one another, and so the March or Motion stretcheth out it selfe into the manner or forme of a Wing, hauing the Depth much exceeding the Length; And this kind of Battayle or *Right Induction*, may consist eyther of a Single Bodie, as when but one Enemy is feared, or of a Double Bodie, as when two are expected, or of a Treble, when three are on foote, or of a Quadruple, when the Enemy purpōseth to giue on all sides.

17

The Seauenteenth, *Paragoge*, which we call *Deduction*, is when a *Battalia* mooueth in a Wing, not by File, but by Ranke, hauing the File-leaders on the Right-hand, which is called a *Right Deduction*, or on the Left Hand, which is called a *Left Hand Deduction*; And this Bodie or *Battalia* also Marcheth (as the former) eyther in a Single, Double, Treble, or Quadruple Deuision, according to the feare they apprehend of the Enemy, and the aduantage of the place & ground, vpon which they march and mooue.

18

The Eighteenth, *Amphistomus*, which we call the Two Fronted Battayle, and looketh vpon the Enemy two seuerall wayes, that is to say, by an euen and Iust Deuision, in the midst of an equall conuer-

conuerſion of the two parts; The Middle-men or Halfeſyle men are turned back to back, and thoſe in the Front and Reare make two equall Fronts, and brauely Aduaunce againſt the Enemy, and this kinde of Motion is excellent againſt Horſe.

The Nineteenth, *Antifomus*, which wee alſo call a Two Fronted Battayle, and differeth only from the former but in this, that as the Two Fronted Battayle *Amphiſtomus* is Fronted by the Front and the Reare, ſo this Two Fronted Battayle *Antifomus*, is Fronted by the two Flanks, the Right ſanke, and the Left, and the Motion hath the like uſe and perfection which the former hath; being generally applyed for the Encounter of Horſe.

19

Diuers other perticular Motions they haue, both for *Armies* and *Battalies*, as that which they call *Diphalangè Perifomus*, *Diphalangè Homoiſtomus*, *Diphalangè Heteroſtomus*, the *Rhombe*, the *Hieremakes*, the *Epicampios Emproſthia*, the *Cyrte*, the *Tetragonall*, *Plafium*, and diuers others, of which I ſhall haue occaſion to write hereafter: For this preſent, and for the generallity of Motion, theſe already ſhewed and expounded are ſufficient; Of all which, you ſhall in the enſuing Chapters (as particulars ſhall ariſe) receiue both full Demonſtrations and Examples, whereby the dulleſt vnderſtanding ſhall be enabled to conceiue, and carry away thoſe Myſteries of Art and Science, which hethereto haue layne hidden and obſcured; Nor haue I any intention in this Worke, ſo to tye and conforme my ſelfe to the

Diuers other Motions.

The Authors plainneſſe

Auncients,

Auncients, eyther *Gretians*, or *Romans*, that there by (knitting my selfe to their Words and Phrases) I might bring a cloude of darkenesse ouer my Labours, which I haue only dedicated to Trueth and Plainenesse: But I doe freely intend to set downe euery thing, in those plaine, moderne, and vsuall formes of Direction, as may be auailable for the simplest capacity, and profitable for all those that haue bound themselues Prentises to this Noble Art, and glorious Aduancement.

CHAP. 2.

Of the Particular Motions belonging to the Foote onely.

In what, Motions consist



ALL manner of Marches and Motions whatsoeuer, belonging to a Foote Company (as I haue touched before in my *Accidence*) must of necessity, be eyther in Distance, or Forme; & eyther of these must be, eyther in Fyles or Rankes, seuerally, and of themselues, or else ioynntly, both together.

Of Distances.

Of Fyles and Rankes, what they are, what their extents ought to be, what effects, vertues, and vses are wrought by them, I haue sufficiently shewed in my *Accidence*: Only, because there is a little difference betwixt vs and the Auncients, and betwixt the Schollers of these Moderne times, and the Schollers of the Elder World, I will as neere

as I can, reconcile them, or at least, bring them to shake hands, and agree together.

The first Receiuers of Millitarie Discipline (and those which are at this day their Schollers, and profest Imitators) would haue a File to consist of Sixteene Men in depth, successiuelly one after another: Others would haue it consist of Eight; And others (which are our latest and best approved) would haue them consist of Ten.

The reason why the first would haue it consist of sixteene, is because it is an euen and proportionable number, which may bee doubled to the last man; as from sixteene to eight, from eight to foure, from foure to two, from two to one; and so backe againe reduced to the first forme or Station. This I confesse beares a faire shew of much probability, and was doubtlesse in the first Age, of singular vse and benefit, both for the forming and proportioning of Battailes; as also for the readinesse of Marching, and the mixing or ioyning of many Grosses, or great Bodies, in one square, Round or Triangular fashion. But it is to be vnderstood, that in these former dayes, there was no vse or knowledge of Shot, because the inuention of Fire lay then vnknowne; their Darts, Slings, Crosse-bowes, Long-bowes, and the like, which passed vnder the Light-armed, held then no method or prescript forme in giuing their Volleis, but deliuered them one ouer anothers head, without danger: so that the deeper the File was, the greater the Volley was, and the Enemy the more indangered; besides

The Ancient
and the Moderne
Authors
reconcil'd.

the drawing and nocking of the Arrow, the Lading of the Sling, the bending of the Crosse-bow, and the charging of the Dart, are Motions so suddaine, so quicke, and so secure, that there is no necessity of alteration of place; for in as much as not any of these Volleis are deliuered vpon the Leuell, but vpon necessity on the Mounture; therefore the forestanders, or leaders of Files, and their followers are not indangered by the Reare: so that in this case, the deeper the File is, the more hands are brought to fight, and the victory the sooner obtained.

But with vs now in these moderne and latter times, wherein the Inuention of Short and Powder is founde out; and the danger, Sodainnesse and Violence of the Fire is knowne: in so much that it is euer deliuered in Leuell, seldome or neuer at Random: (for that is vselesse and to no constant purpose) In this case there is great respect to be had to the alteration and change of place, for (as I haue sayd before) to deliuer Short one behinde another (and that also in Leuell) is for the hindmost to Kill the formost, if they Shoot in Leuell (as they ought) or otherwise Shooting at Randome, to spende their Bullets to no purpose and leaue the Enemy vnauoided; Therefore in this true and certayne Discipline, Fier is onely to be giuen in the Front, and so by succession of Ranks, one Volley after another, euery hand is in his due time and place brought to Fight, and the Volley hath no intermission or respect.

Now it is to bee considered in what space of
time

time a man may Charge and Discharge his Peece moving from the Front to the Reare, and so Ascending vp to the Front againe; and it is found by the experience of all well Iudging Souldiers, that the depth of Tenn men is the absolute best Number, For the first man Discharging in the Front, in the space that nine more shall come and doe the like: The first shall make his place good againe, & so continue the Volley *ad infinitum*. Now there are some which strongly hold opinion, that Eight in depth of File shall doe as much as ten, and with as litle Difficultie make readie and Present; which no question, may be possible, in expert, old, and readie Soldiers and so a competent and sufficient File; But in raw, Ignorant, and half exercised men it cannot be so, Neither can it be hoped that dutie shall so sudainly be performed, And if there be losse of dutie in one man, there will be losse of duty in more, and so the Volley will be weakned & the *Battalia* put in danger; To add a man and make the File nine, is no good Extent, because that odd Number comming to be doubled, there will be a weaknesse either in the Front, or in the Reare; And that weaknesse may ouerthrow the whole *Battalia*; So that for a conclusion of this point, I cannot but disallowe Sixteene in File as being to great a Number, in which no lesse then Six men are lost in euery File so oft as they shall Sal- lie vp or make their aproaches, eight I feare is two men to litle, the Skill and Dexterity of the Souldiers being doubtfull; and Nine, for the odds may not be admitted, So that it resteth that Tenn men

in File is the olde certaine, and allowable Number. I doe not denie but that in Exercising of the Souldiers, the Number Eight is very allowable and will bring them to a great quicknesse and readinesse, but when they shall be brought to to fight, and mixe with other Regiments; Then you are to obserue the generall forme of the Armie, and what Extent of File the whole Armie Marcheth in, the same Number and Proportion you shall keepe in your priuat Companie, Which questionlesse at this day is the Number Tenn, and no other: both for the fitnessse of the Number in Discharging Dutie, as also in that by the Number Tenn, Euery Hundred Men make a perfect Square, and so are the soonest and with the least trouble drawne into any Forme of Battaille that the principall Commander can desire.

The ground
of all *Motions*.

Thus I haue shewed you the true Extent of a File, and the Impediments which hang vpon the alteration of Opinions; wherein you are to vnderstand that in all Millitarie Motions there must be euer a certaine and Infallible grounde whereon to Builde the greater workes; For where euerie thing is vncertaine there all things must needs be Confused, Now in the Artt of Warr, Rankes are vncertaine, and doe consist of Numbers according to pleasure: Companies are Imperfect, Occasioned by imployment, Sicknesse, Death, or other Disasters: Regiments are more or lesse according to the goodnesse, or badnesse of the Officers, only the File is certaine and without Alteration, So that from that Ground, euerie good
and

and great Commander (vpon the first view) can tell howe to shape and proportion any Battaile whatsoeuer.

This being then the concluding *Maxime* touching the true Extent, and Quantitie of a File, which is the Grounde or Foundation where vpon all great Battailles are Built. We will now proceede to the seuerall Motions belonging to the Foote Companies, of which the first and Principall, is the drawing of Rude, and Indigested Grosses, into a faire, orderlie, and well proportioned Bodie; and this must not in anie wise be done by Rankinge, and Drawinge forth of Rankes, for that is rude, and vn-souldier like, because Rankes haue no certainty, nor hold any constant Number: So that no man taking a rude heape of confused men (which number he knoweth not) can tell how many Rankes they will containe, and keepe the Files certaine: therefore to put these men in Order, it must be done by Filing, and not Ranking; every File of one and the same Weapon, being drawne out File after File, and then ioyned and formed into one grosse Bodie, according to the pleasure of the Commander. And in this drawing vp of Bodies, is to bee considered the composition, or parts, whereof euery File must consist; that is to say, the principall and first man of euery File, is called the Leader, or Captaine of the File, hee leadeth; then followeth him three of Inferiour degree; the first man is called the middle man to the Reare, or a Leader of halfe files

The drawing
of Grosses in-
to order.

Of single Files.

to the Reare; the sixth man is called the middle-man to the *Front*, or leader of the halfe file to the *Front*; then after them, three other inferiour followers; and lastly, the Reare, or Bringer vp: So that euery *File* consisteth of foure men of eminence and desert, as the Leader, the Bringer vp, the Middle-man to the *Front*, and the Middle-man to the Reare, and sixe inferiour followers or attendants, as by this example you shall see more plainly.

Single Files:

The Leader. 6

III

Middle-man to the Rear. ●

Middle-man to the Front.

III

Bringer vp. ●

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Files in a Body.

Front:

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Rearc.

The next Motion after the drawing vp of confused Numbers into an vniforme, is the closing and opening of Fyles or Rankes, or both Fyles and Rankes at one instant; And in this Motion, is to be obserued, true Distance, or seperation of Place, according to the will of the Commander, because it is a Motion that only consisteth in distance.

The next, is a Motion in Forme, and that also consisteth of Fyles or Rankes seuerally, or of both Fyles and Rankes ioyntly, in one instant; And this is doubling of Fyles, or Rankes: If doubling of Fyles: it is according to this example,

Fyles vndoubled.

Front.

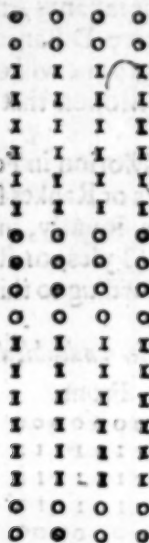
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Rear.

Fyles doubled to the Right Hand.

Front.



Reare.

The manner
of performing
the Motion.

These Fyles being eight in Number, are doubled to the Right Hand, the outermost or corner Man of the Right Hand standing still, and making good both his owne Place, and all the rest of his Fyle, and the next Man on his Left Hand passing behind him, and so successiue the whole second Fyle passing (as the first) behind the first Fyle, the fourth Fyle behind the third Fyle, the sixth behind the fifth, & the eight behind the seventh; and

and so they stand doubled, as in the Example before shewed; where eight Fyles are brought into foure, and the depth of ten brought into the depth of twentie: And in this doubling, is to be observed, by those which remooue and passe behind the other, that if it be to the Right Hand, then he is first to come about round with his Left Foote, then step forward with his Right Foote behind his Leader that must be, and then bring on his Left Foote, and place his Body euen; so that by these three Motions, the action shall be performed in perfection: And thus as you double Fyles to the Right Hand, so you may also double them to the Left Hand, vsing euerie Motion in a contrary manner; that is to say, where the Right hand Man did before stand firme, and the Left hand Man did moue; now the Left hand Man must stand firme, and the Right hand Man must remoue; and as before, the Left foote did first come about, so now the Right foote must, and when they shall be reduced back againe to their first Place or Station, then it is to be obserued, that they must in three Steps or Motions, recouer their former Places, remouing first the Left foote, if the double were to the Right hand, and the Right foote, if the double were made to the Left hand.

The next Motion, being also a Motion in Forme, is the aduancing of Fyles, which is also a doubling, though after another manner: For in this aduancing of Fyles (if it be to the Right hand) then the Right hand File standeth still, and the Leader of the next file vnto it, doth aduance before

Aduancing of
Files.

fore the Right hand file, and his whole file following him in true order and distance, they all aduance, till the Bringer vp, or Reate Man, stand iust before the Leader of the Right hand file, which standeth still, and moueth not; then the fourth file aduanceth before the third, the sixth before the fifth, and the eight before the seauenth, and so forth, till euery other file haue aduanced in the whole *Battalia*: And in like manner, if the Aduancement be made to the Left hand, then those which stood still, when the Aduancement was to the Right hand shall moue, and they which did moue shall now stand still, as by these Examples doth more plainly appeare.

Files Vnaduanced.

The Front.

87654321

○○○○○○○○

■■■■■■■■

■■■■■■■■

■■■■■■■■

○○○○○○○○

○○○○○○○○

■■■■■■■■

■■■■■■■■

■■■■■■■■

○○○○○○○○

Reare.

Files

Fyles Advanced.

Front.

8	6	4	2
●	●	●	●
I	I	I	I
I	I	I	I
I	I	I	I
○	○	○	○
○	○	○	○
I	I	I	I
I	I	I	I
I	I	I	I
○	○	○	○
7	5	3	1
○	○	○	○
I	I	I	I
I	I	I	I
I	I	I	I
○	○	○	○
○	○	○	○
I	I	I	I
I	I	I	I
I	I	I	I
○	○	○	○

Rear.

Thus you see how Fyles are to be Advanced, eyther to the Right hand, or to the Left, wherein is to be obserued; that howsoever I speake of files to be advanced distinctly, one after another; yet the Motion is to be don entirely, of one morning file at one instant: And thus, if you please, you may Advance so oft, that you may bring a

Reducing the
to their first
forme.

whole *Battalia* into one single file. Now for reducing them into their first forme or body againe, the Word (*As you were*) being giuen, euery mouing file that did Aduance, shall turne Faces about, and so march back to their first places; and as thus, you aduance eyther to the Right or Left hand at one instant; So you may also at one instant aduance both to the Right and Left hand by deuision, making the second file aduance before the first, the fourth before the third, the seuenth before the eight, the fyfth before the sixth: And as thus in aduancing, so also in doubling of files, as you double to the Right or Left hand; so you may double to both the Right and Left hand at one instant by deuision, the second file passing behind the first, the fourth behind the third, then the seuenth behind the eight, and the fifth behind the sixth.

Now here by the way there may a scruple arise, that for as much as numbers may vary, and that all bodies hold not one euen or iust content or Number; that then in case there be an odd file, how then shall the bodie be doubled? To this I answere, that if you happen to haue an odde file, then looke to what hand you double vnto, then the outmost file to the contrary hand shall stand and keepe his place firme, without doubling at all; as if you double to the Right hand, then the Left hand file stands fast and vndoubled, or if you double to the Left hand, then the Right hand file stands fast and vndoubled, as by these examples plainly appeareth.

*The odde Battalia
Vndoubled.*

The Front.

987654321
 0000000000
 1111111111
 1111111111
 1111111111
 0000000000
 0000000000
 1111111111
 1111111111
 1111111111
 0000000000

The Reare.

*The odde Battalia
Doubled.*

The Front.

9 7 5 3 1
 0 0 0 0 0
 08. 06. 04. 0 3
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 0 0 0 0 0
 0 0 0 0 0
 0 0 0 0 0
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 1 1 1 1 1
 0 0 0 0 0
 0 0 0 0 0

The Reare.

Thus you see how the odde Fyle standeth, and is still preferued in euery Motion, being still kept in its order, both by the Leader and the Side-man; and when so euer the Bodie is reduced into its first forme or Station, then is it full and perfit, as any other file what so euer,

Of Counter-
marching.

The next necessary Motiō vnto the doublings, and aduancing of files, is the Countermarching of files, which is also another Motion in forme; And of Countermarching, there are diuers kindes; as first, the ordinary Countermarch, which is daily vsed amongst vs, when so euer we march or turne the bodie of the *Battalia* too or fro; and this Countermarch, is called of some, The *Persian* Countermarch, because it was first in vse amongst them; others call it the *Grecian*, as taken from the Imitation of those Souldiers; & others call it the *Chorean*, from *Chorus*, which signifieth a Companie, of which Companie, there were certaine Dancers, who in a Warlike Dance were the first beginners of this Motion; This Motion is performed of the whole *Battalia* all at one instant; the Leaders of the Fyles (vpon the word giuen, to which hand they shall Countermarch) beginning the motion, as thus, If the Word be giuen to Countermarch to the Right hand, then shall the Leaders of the Fyles, at one instant steppe one steppe forward with the Right foote, then bringing the Left foote and the Bodie round about to the Right hand, and so march downe through the distance betweene the Fyles, till they come to the Reare, where the Bringer-vp stood, and there they shall make a Stand; And in this Motion, euery Leader shall obserue his Right hand Man, that they may keepe their Front whole and vndismembred, because the least disorder in this Motion, is the ouerthrow & disgrace of the whole Bodie; and as these Leaders

ders begin and conduct in this orderly manner, so shall all the rest of every File, observing true Place and Distance, follow with as great care and severity, every Man observing his Leader and his Right hand Man, and that by no meanes they offer to turne, till they haue made good the first place, where the Fyle Leaders did turne, and so keeping their Rankes even and iust, the Motion will be exceeding comely, as by this Example appeareth.

A Battaila in Countermarch to the Right Hand.

The Front.



The File Leaders



The Reare.

The Battalia after the Countermarch.

The Reare,



The Front.

Now

Now as they doe thus Countermarch to the Regre, so they may if the Commander please, countermarch backe to the Front againe without intermission, and so as oft and as farre as the Commander pleaseth. Now in this Countermarch, it would bee obserued, that the Files should euer be well opened; as at the open Order of sixe foote at the least; as for the Ranks they may be either at *Order*, or *close Order*, vnlesse they consist of Shot, and then they may not march straighter then the Order of three foot; because otherwise it will incumber them, and take from them the vse of their Weapons: and as thus the Countermarch is made to the right or left Hand entirely; so it may bee made both to the right and left Hand by diuision, as hath beene shewed before in other motions. And this Countermarch is of singular vse, for it chargeth the Enemy standing, it chargeth him Marching, and it chargeth him retyring; besides it bringeth euery hand to fight and suffereth none to loose duty.

The *Lacedemonian* countermarch.

The next Countermarch is that which is called the *Lacedemonians* Countermarch, as being first receiued from their example, and it is of singular vse in charging of the enemy, in making of approaches, and in gaining of ground of aduantage; and though at first the Ancients found it out for their light Armed, which were their Slings, Darts, Crosse-bowes, and Long-bowes. Yet now with vs it is found of most excellent vse for our Shot, and not vnecessary for

for the Pikes, and other short Weapons for execution, because it bringeth forward euery hand in the Charge, and suffereth none to loose duty, neither doe they at any time stand or slacke in their Charge, but still aduance and goe forward, till they haue attained the ende of their purpose.

The manner of this Nation is thus, the first Ranke or Leaders of the Files of Shot, doe present and giue fire, then stand; and the second Ranke passing either to the right or left Hand (according to commandement) aduance before the first Ranke, couering them both in order and distance; then the third Ranke aduanceth and couereth the second; the fourth, the third; and so foorth in an orderly charge, till the Bringer vp or Reare be brought and made the Front; and so as occasion shall serue to continue still, till the ende of Commandment. Now for the Pikes or short Weapons, they shall not need to aduance one Ranke before another, but shall keepe their constant March (with their Pykes aduanced, ported, or shouldered) even still with the first Ranke of Shot, till they come to encounter and charge the Enemy, and then at pleasure, and as occasion shall serue, they may couer one another, and bring euery seuerall hand to the pushe, till the last be first, and the first last, as by this Example doth plainly appeare:

*The Battalia before the Countermarch.***The Front.**

1	0000000000	1
2	ss ppppp sss	2
3	ss ppppp sss	3
4	ss ppppp sss	4
5	0000000000	5
6	0000000000	6
7	ss ppppp sss	7
8	ss ppppp sss	8
9	ss ppppp sss	9
10	00ppppp 000	10

Reare.*The Countermarch performed***The Reare**

10	0000000000	10
9	ss ppppp sss	9
8	ss ppppp sss	8
7	ss ppppp sss	7
6	0000000000	6
5	0000000000	5
4	ss ppppp sss	4
3	ss ppppp sss	3
2	ss ppppp sss	2
1	0000000000	1

The Front.

There

There be others which would haue this *Lacedemonian* Countermarch in an other maner, which is for the first Ranke to Face to the Reare, then the second Ranke, and so all the rest of the Body, to march vp and turne behinde their Leaders; but they are mistaken, and conceiue not rightly of the Author from whence they take their Instruction: for this Motion rather looseth then gayneth ground, and seemeth rather to retyre, then charge; But I leaue the reconciliation of the doubt to those of better Iudgement.

The next Motion is called the *Macedonian* Countermarch, but from what ground, it is not yet discussed. As for the manner of the Motion, it is in this wise; The File-leaders all turne about their Faces, and all the rest with the Bringers vp, goe against them on the right or left hand, and passing on to the Ground before the Front of the *Battalia*, place themselues in order one after another, according as the File-leaders haue turned their Faces, making a shew vnto the Enemy as if they were retyring, or running away; which inticing the enemy to pursue, is of most singular vse to make him leaue and forsake any place or ground of aduantage. Others take this Motion to bee the *Macedonian* Countermarch, when the File-leader turneth about his face, and the rest passing by him on the right or left Hand, place themselues orderly, one behinde another. And here is to be noted, that all these Countermarches already spoken of, may

The *Macedonian* Countermarch.

as well be done by Ranks, as by Fyles, and both to the right or left hand entirely, or to both by deuision, or both by Conuerfion; as in the former Examples.

Doubling of
Ranks.

The next Motion, is the doubling of Rankes either to the Right or Left Hand intirely, as when the second Ranke marcheth into the first, the fourth into the third, the fixt into the fifth, and the eight into the seuenth; and this Motion must be done very orderly, beginning with the left foote, and at three steps making perfect the doubling; then when they are to be reduced to their first Forme againe, to obserue that if they doubled to the right Hand, then they must turne on the left hand, to come to their first places againe, and so contrary to the other, as occasion shall serue; or this Motion may be done to both hands by Deuision, or to both hands by Conuerfion, and to either *Open Order*, *Order*, or *Close Order*: according to these examples.

Ranks undoubled.

The Front.

1	00000000	1
2	11111111	2
3	11111111	3
4	00000000	4
5	00000000	5
6	11111111	6
7	11111111	7
8	00000000	8

The Reare.

Ranks

Rankes Doubled.

The Front.

1 2 01010101010101 1 2

3 4 10101010101010 3 4

5 6 01010101010101 5 6

7 8 10101010101010 7 8

The Reare.

Thus you see Rankes doubled and vndoubled, now there is another manner of doubling of Rankes, and that is by the Middlemen, or halfe Files, when they Aduancing and leading vp their halfe Files brings the fift Ranke on which hand they are commanded (being Middlemen to the Front) into the first Ranke, the sixt into the second, the seventh into the third, and the eight into the fourth, which are Middlemen vnto the Reare: as you may see in this example.

Halfe Files vndoubled.

The Front.

1 00000000 1

2 11111111 2

3 11111111 3

4 00000000 4

5 00000000 5

6 11111111 6

7 11111111 7

8 00000000 8

halfe files to the Reare
halfe files to the Front.

The Reare.

E 3,

Halfe

Halfe Eiles Doubled.

The Front.

1	5	oooooooooooooooooooo	5
2	6	iiiiiiiiiiiiiiiiiiii	6
3	7	iiiiiiiiiiiiiiiiiiii	7
4	8	oooooooooooooooooooo	8

The Reare.

Halfe Files as
they were,

Now to reduce, or bring these into their first place or forme, the halfe Fyles which did ascend, shall turne their Faces about, and following the Reare, or Bringer vp, every Man shall descend, and come into his first place, as he was before.

Bringers vp,
Doubling.

There is also yet another manner of Doubling of Rankes; and that is, when the Reare, or Bringers vp, which is the last Ranke, aduanceth into the first, then the seventh Ranke following them, commeth into the second, the sixth into the third, and the fifth (which are Middle men to the Front) into the fourth (which are Middle men vnto the Reare,) and so the *Battalia* standeth like vnto the last forme, or Example; only the Figures which signific the Rankes doe vary, and are now,

1	8	oooooooo
2	7	iiiiiiii
3	6	iiiiiiii
4	5	oooooooo

And

And when this Bodie shall againe be reduced ^{Bringers vp,} into his first place, then shall the Bringers vp, ^{As they were,} or Reare, with their halfe files, turne their Faces about, and the Ranke 3 shall fall behinde the Ranke 4 the Ranke 6 behind 5 the ranke 7 behind 6 and the ranke 8 (being the Reare, or Bringers vp) behind the ranke 7 and so euery Man is in his first place againe.

The next motion vnto these, is *Wheeling*, or Of Wheeling. Turning the whole Bodie of the *Battalia*, to one, or the other Hand, or entirely round about, or otherwise by *Deuision*, to Wheele it to both Hands at once, cyther in part, or else Round about; the generall manner of the Motion is thus; First close your Files to the Right hand, and your Rankes to the Swords poynt; then make the Corner file Leader to the Right hand stand fast, and then all the whole Bodie of the *Battalia* to mooue or Wheele about him, as about a Center, cyther halfe about, or three parts about, or else wholly and fully round about: Now to reduce it to the first Posture or Station, you shall command euery Man to turne his Face to the Left hand, then Wheele the Bodie back againe, till it come to its first Place, and then open the Rankes dawningward, and the Fyles cyther to one, or the other Hand, at pleasure: As thus you Wheele the whole Body to the one, or the other Hand, or entirely round about, so you may wheele it to both Handes at once, by *Deuision*, cyther in part, or round about, according to pleasure; And this is of singular Vse, when the Horse shall come to Charge

Charge the Foote; for by this Wheele, you shall couer your Shotte safe, and leaue your Pikes outmost, to receyue the Charge: Now this Wheele is to be made after an other manner; for where before, eyther the corner Man of the Right hand file, or the Corner Man of the Left hand file, was to stand fast and firme, now all shall moue, and onely the Middle Man in the Reare, to the right Flanke, and the middle Man in the Reare, to the Left Flanke, shall stand fast, and vnmoued, and all the rest of the two Deuided Bodies shall moue about them, according to these Examples following:

The Battalia Unraveled.

The Front.

s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s
s	s	p	p	p	p	s	s

The Rearc.

Thus you haue seene the manner of Wheeling, with the seuerall Motions, and Vses thereof.

The next Motion, whereto foote Companies ought to be applyed, is the Casting off of files, or, ^{Casting of Files.} as some call it, the Giuing of Fire, by Flanke, or in the Flanke; and this motion of casting of Files, is done diuers waies; as first, in Flanke, then in Wing, and lastly, before the Front: If you cast off files in flanke to the Right hand, then the right hand file (being readie to giue fire) standeth still, till the Bodie of the *Battalia* be marcht so far forward, that the Reare, or Bringers vp, become even with the Leader of the right hand file; then that file so standing, and prepared, giueth fire altogether; then presently march vp betwene the outmost file of Pikes, on the right hand, and the inmost file of Shotte; then the second file of Shotte, as the first, doth stand still, till the Bodie be marched by, and then giue their Volley, and then march vp as they first did, betwene the outmost file of Pikes, and the inmost file of Shotte, as aforesaide; And thus successiuelly, euery file of Shotte giueth their Volley, that are conteyned in that right Wing, which done, wheele the whole Bodie about, and bring the Left Wing, to doe as much as the Right Wing, and so Wing after Wing, according to pleasure; And this manner of casting of Files in Flanke, is of excellent vse for the beating of Paces in Woods, or Bogges; also, for the mayntaining of straight and narrow Waies, for defence of Bridges, and the like; and that you may haue a better vnderstanding there-

in, behold the figures following.

*Files cast off in Flank to the
Right Hand.*

The Front.

1098765432

sss pppp ss

sss pppp ss

sss pppp ss

sss pppp ss

sss pppp ss

sss pppp ss

sss pppp ss

sss pppp ss 1

The Reare.

s

s

s

s

s

s

s

s

Here you see the File 1. standeth still, and ha-
ving giuen their Volley, are to retreat betweene
the File 4. and the file 3. then the file 2. standeth
still and having giuen their Volley, retreat be-
tweene the file 4. and the file 1. then the file 3.
standeth still, and having giuen their Volley, re-
treat betweene the file 4. and the file 2. and
then

then the whole wing is as it was at the first, 1. 2. 3. now as thus you may cast off the files to both Hands, making the file 10. to stand, and the Volley giuen to retreat betweene the file 8. and the file 7. then the file 9. to stand, and the Volley giuen to retreat betweene the file 7. and the file 10. then the file 8. to stand, and the volley giuen, to retreat betweene the file 7. and the file 9. So then the body is brought againe to his first forme, 8. 9. 10.

Now for the casting of Files in Wing, you must draw soorth the File 1. on the right hand, and the file 10. on the left hand in the manner of Wings, and hauing giuen their Volley, shall stand still till the reare bee aduanced, and then the file 1. shall retreat betweene the file 4. and the file 3. and the file 10. shall retreat between the file 7. and the file 8. as in the former example, and so the rest of the files one after another, this example appeareth.

*F 3**Files*

Files cast off in Wings.
The Front.

1098765432
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s

The Rear.

Lastly, there are *Files* cast off before the *Front*
 of the *Battalia*, after this manner,

Files cast off before the Front.

The Front

1 s s s s s s s s s s

1098765432
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s
 s s p p p p s s

The Rear.

Here

Here as you see the file 1. to the right Hand is drawne before the Front, who as soone as they haue giuen fire, shall turne their faces to the right hand, and following the *Bringer up*, shall make retreat betweene the files 4 and 3. and there couer themselues till they haue made ready againe. Then shalbe drawn forth before the Front, the file 10. to the left Hand, who after they haue giuen fire, shall turne faces to the left Hand, and retreat betweene the files 8. and 7. then shall bee drawne out the file 2. to the right Hand, which having giuen fire, turne faces as before to the right Hand, and then retreat betweene the files 4. and 1. Likewise in the same manner the file 9. is drawne out to the left Hand, and hauing giuen fire, turne their faces, and retreat between the files 7 and 10. and thus successiue'y one after another you shall drawe forth euery file of Shot, first on the right Hand, then on the left, till the seruice be accomplished, and thus much of the casting off the files.

There is yet an other Motion of the foote, which is worthy obseruation, and that is opening and closing of Rankes and Files: wherein is to be noted, as I haue shewed in the *Accidence*, that Rankes when they open to any Order whatsoever, ought, for the most part, to open downward, by turning *Faces about*, and descending till they come to the distance commanded, and then to turne *Faces as they were*, but when they close to any Order, it must euer be done vpward, towards the Front. But the *Files* when they open

Of Opening
and Closing.

Files opened
or closed by
the Middle-
men.

or close must euermore doe it to the right or left Hand, or to both, in this manner.

If you giue the word of Command plainly, and barely, without any implication, or addition thus, *Open your File to Open Order, &c.* or to any other Order, then shall the two Middle Men to the two *Flankes* standing in the midst of the *Front*, open the one from the other according to the distance appointed, and their whole *Files* shall follow them in an even line; then the rest of the *File-leader* shall open from these Middle men, one halfe to the right hand, the other to the left, till the whole *Battalia* bee opened, according to Commandment, as you may see by this example.

Files opened from the Middle-men.

The Front.

Mid.

Mid.

oooo

oooo

iiii

iiii

iiii

iiii

oooo

oooo

oooo

oooo

iiii

iiii

iiii

iiii

oooo

oooo

Mid.

Mid.

The Reare.

And

And as thus you open, (if the Word be given in one and the selfe same manner :) so likewise you must close your Files, the Middleman first joyning with their Files; then after all the rest of the *File-leaders*, with their files to both hands, till the Commandment be fulfilled. H

But if the Word of Command bee given, ^{Files opened,} *Files to the right hand open to open Order, &c.* ^{or closed to} *Or any hand,*

to any Order else, then shall the right Hand *File-leader* with his file, and so successively every other *File-leader* (with their files) shall open after the Right Hand Man, till the Command be perfected; and as thus you open, so you must also close; and as you open or close to the right Hand, so you must open or close to the left Hand, when the Word of Command is given to that purpose.

Diverse other Motions there be belonging to ^{Other Motions.} the *Foot Companies*, as the turning of *Faces* to either Hand, or about; the forme whereof is expressed almost in every figure before shewed: Also the Charging to any Hand, to the Front, to the Reare, or to all at an instant; of which I shall have cause to speake more amply in any other place: Therefore at this time, these already expressed, shall serve for the Motions of the *Foot Company*.

CHAP. II. Of the Motions of the *Foot Company*.
The first Motion is the turning of the *Foot Company* to the right Hand, to the left Hand, or about. This is done by the *File-leaders* opening and closing their files to the right Hand, to the left Hand, or about, as the Word of Command shall require.

CHAP. 3.

Of the severall Motions which belong unto
Horse, Or, Horse Troopes.

The vse of
Horse Moti-
ons.



He Motions of Horse are diuers, according to the opinion of the Aun-
tients, and to these Moderne times also,
as you may perceiue by my *Accidence*,
wherein I haue set you downe the severall words
of command, belonging to euery Motion of
Horse now in vse; all which, are so neere a kinne
to the Foote Motions, that I hold it needlesse to
repeate them ouer heere againe, but referre those
which desire to learne those generall Motions, to
the *Accidence*, and to those Motions of Foote
which are already specified and set downe in this
Grammar: I will now proceed to those other
Motions and Imbattaylings of Horse, which being
more difficult and strange, doth more amase the
minde of the industrious Learner, and are harder
attayned vnto by Discourse, without some play-
ner Demonstration.

First therefore, the generall Motions of Horse
at this day (wherein the *Launce*, the *Light Staffe*,
and the Short *Pistoll* are taken away, and onely
the Long *Pistoll* and *Dragoone* in vse) are conuey-
ned in Trooping, Disconering, Charging, Whee-
ling, and Retyring; and all these are done, eyther
by whole Bodies, by Parts, or Deuisions, by

many

many files, few files, or single files: And hercin you are to call to minde (as I haue shewed in the *Accidence*) that as the Rankes of *Horse* are compounded of vncertaine Numbers; so the file must euer be constantly fixe Deepe, being compounded of a *Leader*, a *Follower*, two *Middlemen*, a *Follower*, and a *Bringer vp*, or, the *Rear Man*, according to this demonstration.

An Horse
File.

- *Leader.*
- 1 *Follower.*
- *Middle Man.*
- *Middle Man.*
- 1 *Follower.*
- *Bringer vp.*

Thus you see the Contents and forme of a *Horse* file, from which certainty, and true knowne Ground, euery skillfull Commander may builde vp any Bodie that he pleaseth; whereas, if both Ranke and Fyle should be incertaine, and at pleasure, there would then be no Ground for any thing, but euery thing would be confused, according to the phantastiquenessse of Opinion.

When you haue therefore drawne your *Horse* Troope into Rankes and Files, which you must doe file after file, till euerie Man be placed according to true order, & not according to the fashio of our ignorant Commanders, whom I haue heard (at the first gathering of a Bodie together)

Drawing vp
of a Horse-
Troope.

so command the Men to Ranke three, five, seven, or as fancie leades them, for this is most absurde, and vnproper, because Rankes are, and may be of vncertaine Number; so that ranking at hap hazard, it is almost impossible that the files should fall out even, whose Number must not be changed, and so a new worke to begin, which at the first might better haue bene finished.

But to my purpose againe; When you haue drawne vp the Bodie of the *Horse* in true Files and Rankes, and hauing euerie Officer readie for his due Place, as *Captaine*, *Linutenant*, *Cornet*, *Trumpets* and *Corporalls*: You shall then (according to the Figure or Example following in the next Page) Troope into the Field, eyther for Seruice, or other Exercise.

A Troop of an Hundred Horse, Trooping into
the Field, with their Officers riding

Captains.

Trumpet.

Corporall extravagant.

h b h h
h b h h
h b h h
h b h h
h b h h
h b h h

Comr.

h b h h
h b h h
h b h h
h b h h
h b h h
h b h h

Corporall.

Corporall extravagant.

b b h h
b b h h
b b h h
b b h h
b b h h
b b h h

Corporall.

h h h h
h h h h
h h h h
h h h h

Trumpet.

h h h h
h h h h
h h h h

Corporall.

h h h h
h h h h
h h h h

The Former Troope drawne vp into a firme body
either for Service or Exercise with all
the Officers.

Captaine.

Trumpet, Trumpet.

Cornet.

The Front.

hhhhhhhhhhhhhhhhhh

hhhhhhhhhhhhhhhhhh

1 Corporall
Extra.

2 Corporall
Extra.

hhhhhhhhhhhhhhhhhh

hhhhhhhhhhhhhhhhhh

3 Corporall
Extra.

hhhhhhhhhhhhhhhhhh

4 Corporall
Extra.

hhhhhhhhhhhhhhhhhh

The Reare.

The Lieutenant.

Thus you haue seen the maner of Trooping in-
to the Field, with all the Officers of a priuat troop,
and how they are deuided into foure Diuisions.
The first, or head, being lead by the *Captaine*; the
second Diuision by the *Cornet*; the third, by
the eldest *Corporall*; the fourth, by the second
Corporall

Corporall; the Reare or hindmost being brought vp by the *Lieutenant*, the two yongest *Corporalls* are extrauagant, and ride vp and downe on both sides, to see the whole Body keepe their true Order. The *Trumpets* (if their bee more then one) the *Edest* troopes vpon the Head next after the *Captaine*, and the second troopeth in the Reare, two Rankes before the *Lieutenant*; if there bee three, the third soundeth before the Corner.

Now for the drawing of this Troope into a firme Body, for Service, or Exercise; the *Captaine* hauing found conuenient ground, maketh a stand with his *Deuision*; and the *Cornet* bringeth vp his *Deuision*, on the left Hand the *Captaines*, placing himselfe vpon the left File of his owne *Deuision*; then the eldest *Corporall* bringeth vp his *Deuision* on the left hand the *Cornet*, and as soone as they are ioyned, hee departeth himselfe to the outside of the right Wing, to see that true Order and Distance bee kept; then the second *Corporall* bringeth vp his *Deuision* on the left Hand the eldest *Corporalls*, and himselfe departeth to the outside of the left Wing, to see that true Order and Distance be kept; For now all *Corporalls* are extrauagant; and all the *Trumpets* ascend to the head and Troope next behinde the *Captaine*, and before the *Cornet*; the eldest *Trumpet* taking the right hand, and so the rest according to antiquitie.

This Body, or Square *Battalia* is of all other
the

The Benefite
of the square
Bodie.

the best, and most sure for all manner of Service, and may the easiēst be reduced, and brought to any other forme, that Inuention can finde out; and with this Body, you may cyther Charge entirely and wholly at once, or you may deuide it, and Charge sundrie waies, or else by drawing out two, or three, or more Fyles, skirmish on euery side the Foote Battaile, and put them to much annoyance.

There is another forme of Imbattailing the Horse, which is called the *Horseman's Wedge*, and it is drawne vp into the forme of this Figure, for Example following.

The Horseman's Wedge.

The Front.

H

H H

H H H

H H H H

H H H H H

H H H H H H

The Rear.

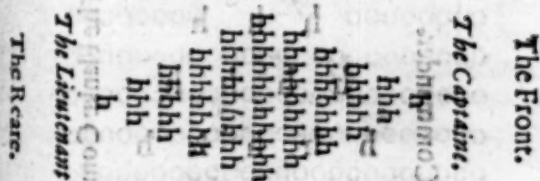
This

This Wedge, Charging poynt-wise vpon the Foote, seeketh to disseuer and breake the front; whereby, getting an entrance, they put all into Route and confusion, which the Fooremenc, ceising, they haue no meanes of safety, but eyther by maine strength to repulse them; or else to diuide their Body in the mid into two parts, and to giue the Horse a free and thorow passage; which Foote Battaile so diuided is called the *Battalia Antistlemus*.

There is an other *Battalia* of Horse, which is called the *Rhombe* of Horse, and it is proportioned according to this Figure, and is of great vse, hauing in euery corner a Leader.

The Rhombe.

The Flanke Commander.



The Flanke Commander.

This Horsmans *Rhombe* was first found out in *Theffalia*, and thence brought in great practise, through the benefite thereof, being able to passe through, and to peirce any Foote Battaile whatsoever; and is only to be opposed, by that Foote

Battalia

Battalia which is called *Menoides* or *Cressant*, and in forme of an Halfe Moone, whose Winges being stretched out by the Leaders, the middle part is imbowed, and bent to inuyron and wrappe in the Horfe Men as they Charge, and so put them to Route and Disorder, and therefore in this case are to keepe aloofe off, and not to come in, but to plye their Pistolls, till they see the Foote Battaille stagger, and fall into disorder:

Another Rhombe of five Square.

The Front.

The Flanke Commander.

The Flanke Commander.

The Reare.

This

The end or purpose, to which this foote Battaille is framed, is to beguile and overreach the *Pistoleirs*, cyther by inticing them into the voyd or emptie place of the *Battalia*, as they Charge in furie, and vpon the Spurre, or else, by disordering their Horses with their Winges, and so drive them into an utter confusion.

This *Battalia* makes shew but of a small number, because the Deuisions lie hid and couered, and so much apter to be mistaken; for, the Winges which are the least number, are only apparent to the eye, the Bodie (which is threetimes more) is hardly discerned; so that if the Winges preuaile, the Conquest is sure; if they faile, they may easily retire into the maine Bodie, and make a powerfull resistance.

There is another Horse Battaille, which is square in Figure, but not in Horse, being eleuen in Ranke, and but sixe in file, which is called of the Auntients a *Tetragonall* Horse Battaille; this is a very strong Battaille, as all square Battailes are, and our Fore fathers did affect it much, and we at this day finde it of great vse for our *Pistoleirs*, both for the strength, and the ready framing thereof, there is no Battaille on foote to oppose it, but that which is called *Embolos*, or the *Wedge* of Foore, which is framed of Foote Men, as the former *Wedge* was made of Horse Men, all the outsidies consisting of Armed Pikes, and the Lynings within of Shorte: Also the front of this Foote *Wedge*, consisteth of three Armed Pikes, as the Horse *Wedge* did consist of one single

gle Armed *Pistoler*. Many other Motions and Imbattaylings of Horſe there be, but none more uſefull then theſe already expreſſed; and he that is able to draw Horſe and Man, into theſe formes and figures allreadie expreſſed, may without any difficultie or amazement, draw vp any other Battaille at the firſt ſight, be the Inuention neuer ſo deepe, obſcure, and curious.

CHAP. 4.

*Of the ſeueral Ranges of the
Foote, and how they are Ordered,
and Compounded.*



Generally, all Foote Battailles, or Pattailles of the *Infanterie*, are Ranged into Rankes & Files; now the Rankes are vncertaine, therefore from them no true Ground can be taken; but the Files are certaine, therefore from them muſt ariſe the Ground of well Ranging of Battailles, for theſe files are ordered into Bodies, and theſe Bodies haue every one a ſeueral name, or denomination, by which the Antients did diſtinguiſh them; But we leſſe curious, and finding that playner Demonſtrations, and Names of leſſe difficultie, were ſooner apprehended, and conceiued of the Ignorant Souldiers, haue neglected thoſe hard and vnacquainted Names, and haue reduced

them to Termes of greater familiarity, and much lesse trouble and vexation to the memory: Yet because I know that Noueltie is pleasing vnto many; some, desirous to know what they neuer intend to practise; others, willing to satisfie their mindes, least Questions of this nature might be vnseasonably brought vpon them; and others, for Argument sake, to fill vp Discourse, with those Knowledges which they imagine are obscured to others: For these Reasons, I thinke it not amisse, to shew how the Auntients did Range their Battailles, and what Names they gaue to their seuerall Numbers; and then, to shew our owne manner of Range, and the easy apprehension thereof, that being compared together, Iudgement may soone finde out, which is most auailable.

And heerein, you must first vnderstand, that the Auntients did range their *Battailles* into Files, every single file contayning in depth or number, full sixteene Men, and so called a *File*; a Bodie compounded of two files, they termed a *Dilochie*, of two and thirty Men, and the Leader, or Captaine of those two and thirty Men, was called *Dilochita*; foure files, contayning threescore and foure Men, they called a *Tetrarchy*, and the Captaine or Leader thereof *Tetrarcha*; eight files, a *Taxis*, and the Captaine *Taxiarcha*; then is sixteene files, a *Syntagma*, and the Captaine thereof *Syntagmatarcha*, which indeed, is that Man which we call a Captaine in Chiefe, for euery *Syntagmatarcha* had vnder him, siue Inferior Commanders,

ders, that is to say, a *Reare Commander*, which we call a *Linetenant*, an *Ensigne*, a *Trumpeter*, which in our foote Companies is the *Drumbe*, a *Sergeant*, and a *Cryer*, which we call a *Corporall*: Now two and thirty files (which is two *Syntagmas*) they call a *Pentecosiarchy*, and contayneth six hundred and twelue Men, which with vs is called a *Colonie* or *Regiment*, and the Captaine thereof is called *Pentecosiarcha*, which we call a *Colonell*, now two of these *Pentecosiarchies* being a thousand and twenty foure Men; and three score and foure files, they call a *Chiliarchy*, and the Captaine thereof *Chiliarcha*, which indeed we call a *Colonell* Generall; two *Chiliarchies* amounting to two thousand and forty eight Men, they call a *Merarchy*, being a hundred and twenty eight files, and the Captaine *Merarcha*, which is with vs the *Sergeant Maior* Generall; two *Merarchies* they call a *Phalangarchy*, and the Captaine *Phalangarcha*, which is as much as the *Master* of our *Ordnance*; two *Phalangarchies* they call a *Diphalangarchy*, and the Captaine *Diphalangarcha*, which is with vs as *Linetenant* Generall; and two *Diphalangarchies* make a foure told *Battaile* of *Phalange*, consisting of a thousand and twenty foure files, and fixteene thousand three hundred and eighty foure Men, whose Captaine is the King, or his Generall.

Thus you haue the Range of a Foote Battaile, according to the Custome of the Auncients, from the first file (which is the lowest) to the full extent of a *Maine Battaile*. It now resteth that I shew

shew you our Moderne or late manner of Range, by which all our Battailes are Compounded, Gouverned, and Conducted; and in this Description, I must varry much from the Auntients, and begin a steppe lower in degree; but two stepps (at least) lower in number. And here I must haue you first remember, that as the Auntients began with whole files of 16. in number; so I must now begin with halfe files, being but five in number; for in this Range (of which now I write) no file must exceede the number of 10. five then, which is the Roote or beginning of this Range, is called halfe a file, or halfe a *Decurio*, and the Leader or Captaine thereof is called *Lanspesado*, or *Middle Man*; Two halfe files make a whole file of ten, and the Leader or Captaine thereof is called *Decurio*, or the *File Leader*.

Two whole files and a halfe, which is 25. Men, we call a *Squadron* or Square of Men, being five euery way, and the Leader or Captaine thereof is called the *Corporall*: Two *Squadrons*, being 50. Men, and five files, is called a *Sergeancie*, and the Chiefe or Leader thereof is called a *Sergeant*.

Two *Sergeancies* being 100. Men, and ten files, is called a *Centurie*, and the Chiefe or Leader thereof, is called the *Captaine*, which *Captaine* hath vnder him 11. superordinary Men, that is to say, a *Liuetenant*, an *Ensigne*, a *Drumbe*, two *Sergeants*, foure *Corporalls*, a *Surgion*, and a *Clarke*.

Two *Centuries* and a halfe, being 250. Men, and 15. files, is called the fourth part of a *Regiment*, and the Chiefe or Leader thereof, is called the
Sergeant

Sergeant Maier of a Regiment.

Two fourth parts of a *Regiment* being 500. Men, and 30. files, is called halfe a *Colonie* or *Regiment*, and the Chiefe or Leader thereof, is called the *Lieutenant Colonell*.

Two halfe *Colonies*, being 1000. Men, is called a *Colonie* or *Regiment*, and the Chiefe or Leader thereof, is called a *Colonell*, which *Colonell* hath also vnder him in his *Regiment* (besides the Captaines and Officers before named) one that is called the *Quarter Maister*, whose Range is inferior to euery Captaine, but before euery *Lieutenant*, and the Officers that are vnder them; As for the Range of the Captaines which are vnder these three greater Officers, they shall take precedencie of Place, according to their Antiquitie in Command, and the Eldest Captaines Collours shall Flie first, the Second next, and so of the rest; and the *Colonells Lieutenant* shall take his Place as the Youngest Captaine of that *Regiment*.

Two *Colonies* or *Regiments*, is called a *Bodie*, or full *Battalia*, consisting of 2000. Men, and the Chieftaine or Leader thereof, is called *Colonell Generall*.

Two *Battalias* consisting of 4000. Men, is called a *Double Battalia*, and the Chiefe or Leader thereof is called the *Sergeant Maier Generall*.

Two double *Battalias*, containing 8000. Men, is called a *Vanguard*, and the Chiefe or Leader thereof, is called the *Lord Marshall*, Commanding the first third of the *Battaile* or *Army*.

Two *Vanguards* being 16000. Men, is called
I the

the *Reare*, and the Chiefe or Leader thereof is called the *Lieutenant Generall*.

Two *Reares* being 3000. Men, is called the *Maine Bataille*, and the Chiefe or Leader thereof is called the *King*, or *Generall*, who hath also supreme Authoritie over all the whole Armie, how great or puissant foeuer.

Thus you haue seene the true Range of Footemen, and their Leaders, according to their Numbers: It now resteth, that I shew you the true Range of their Weapons.

In the Auntient Times the *Light Armed* (which were *Bowmen*, *Darters*, and *Slingers*) had the *Vanguard*, and were the first beginners of Fight and Skyrnish, for by their Darts and Arrowes, they prouoked the Encmie to breake their Rankes, and ouerthrew and killed many in their approaches, they galled and repulsed the Horse much, and indeede, were euer the first Authors of Victorie; and as thus they sometimes placed them in the Front, so at other times, they had their places in the Flankes, and sometimes in the Reare; But the generall and most certaine Range which they held, was euer betwene the Armed Pikes: The first file of the *Light Armed*, behinde the first file of the *Armed*; the second file of the *Light Armed*, behind the second file of the *Armed*; and so consequently, to leuie all the *Armed Menne* through the whole *Battalia*; yet the file of the *Light Armed*, shall be but halfe the number of the *Armed*; and these *Battailes* shall be drawne into diuers Deuisions.

But this Range of Weapons agreeth not without Discipline at this day, for our Battailles consisting only of armed Pikes, Muskatiers, and a few short weapons, they are raunged in this manner, when they march into the Field, they march Company after Company, single of themselves without any mixture: and in this march of single Companies, the Muskatiers are deuided into two parts; the one part hath the Vanguard, the other hath the Reare, and the Pikes march in the midst, vpon the head whereof is the *Ensigne*, and about it the short weapons, as Halberd, Partizans, or the like, (if the Company haue any) when they are come into the Field, then is euery Regiment drawn vp into a Body by it selfe, whereof all the Pikes are drawne into an entire body by themselves, and the Short deuided into two Bodies, whereof one halfe Wingeth vp the right Hand of the Pikes, and the other halfe wingeth vp the left hand of the Pikes. The *Ensignes* stand still on the head, or within a Ranke, and the short weapons of execution about them for guard.

These Regiments are drawne into the Battaille, according to the pleasure of the Lord *Marshall*, or *Sericant Major* Generall. The Horsemen are the Wings which troope on each side of the Battaille, keeping the distance of halfe a Furlong at least from either side of the Shot. The great Ordnance, or Artillery are drawne from the two outmost poynts of the Battaille, a pretty distance from the Vanguard, and extend themselves wider and wider frō the Battaille, being drawne at length

in a single File, their Catriage, prouision, and Munition being drawn neere vnto them, and the Regiment belonging to the *Master of the Ordnance*, following close about them, as a sure Defence, wall, or guard. And thus you haue the full Range of the Foote Battaile, and how it is disposed.

CHAP. 5.

Of the seuerall Ranges of the Horse, and how they are Ordered and Compoundd.



He Horse-Troopes in the Ancient and first times had no one certaine Range, or place in the Battaile, but according to the humors and opinions of their *Generals*, so they were altered and carried vp and downe to seuerall places of Commandment. *Elia* saith, that in some Battailes within his owne memorie and knowledge, the Horse Troopes were Ranged after the light Armed, yet doth not constantly stand vpon the allowance of that Range; but saith, that although they were ranged after the Light-armed, yet other places might be more conuenient, and this range might be altered at the pleasure of the *General*, or vpon any necessary occasion, where Victories stood doubtfull: others of the Ancients, as at sometimes the *Macedonians*, now and then the *Romans*, but many times the *Thebans* & *Thessalians* haue ranged their Troops of Horse in the Reare of the armed Battailes, and good successe hath many times issued thereof, & the Rangers of such Battailes haue returned Vic-

rors : Others of the Auntients, and especially *Alexander* himselfe, *Craterus*, and most of the worthiest *Macedonians*, have ranged their Horse Battailles vpon the right and left Winges of the maine Armie; and indeed, these Places are most probable and best agreeing with our present Discipline.

To come then to the Range of the Horse Battaille, as it is vsed at this day, you must vnderstand, that it varyeth foure seuerall waies; two in the Range of the *Curasiers*, two in the Range of the *Harquebuses* or *Dragones*.

The *Curasiers* haue two seuerall Ranges, the one in ordinary trooping, the other in a formed Battaille.

In an ordinary Troope where the whole Battaille mooueth, the first day, the Troope and Regiment belonging to the *Generall*, troopeth foremost, and hath the leading of the Poynt; After him, troopeth the Troope and Regiment of the Lord Marshall; and after him, euery Colonell, and his Regiment, according to his Antiquitie: The next day, the Lord Marshall, and his Regiment, hath the leading of the Poynt or Vanguard, and the *Generall* hath the Reare; the Eldest Colonell succeedeth the Lord Marshall, and so the rest of the Colonells, and their Regiments after him, according to Antiquitie: The third day, the Eldest Colonell hath the Poynt or Vanguard, and the Lord Marshall hath the Reare after the *Generall*; and thus alternately euery Colonell shall change his Place, & haue the leading of the Poynt or Vanguard, according to the seuerall daies of trooping (there being no intermission or stay of many daies betweene the seuerall remooues: And as thus the Chiefe and Superior Comanders doe remooue and alter their

Places, so shall the Inferior Commanders of euerie *Regiment* doe the like; the *Colonell* hauing the principall place the first day, the *Lieutenant Colonell* the second day, the *Sergeant Maior* the third day, and so euerie Captaine after, according to his Antiquitie; in which order, no Commander looseth Dignitie, but hath his seuerall day of Glory, and as much preeminence as the *Generall*, or any other Commander, whatsoeuer.

Now if it come to a formed Battaile, then the Ranges change, and the *Regiments* are drawne vp into one whole and entire Bodie, in which drawing vp of *Regiments*, this order is to be obserued, that euerie perticular Troope shall duely keepe their two distances, that is to say, *Open Order* in their Ranges, and *Close Order* in their Files; then betwixt Company and Company, in euerie Regiment, shall be the space of 25. foote, that thereby they may be the better distinguished, and the sooner drawne foorth, and imployed in any needefull place, as the Superior Commanders shall thinke good.

This Order and Distance being obserued, *Regiments* are to be brought into maine Bodies, eyther Square, Long, Tryangular, or Dyamond, according to the nature of the ground, and the fashion of the Enemies Battaile, for therein is the aduantage.

Now for the true Range, the *Generall* hath euer the *Vauntguard*, which is the right Wing of the Battaile, and the Lord *Marshall* hath the second *Vauntguard*, which is the Poynt of the left Wing of the Battaile; For here is to be vnderstood, that when Battailes of Foote are drawne vp and formed, then the Battaile of Horse is deuided, and extended forth

in length, according to the number of the *Regiments*, which as Wings stretching themselves forth from the two points of the right and left hand battaile of Foot; are as a Wall or defense betwixt the Enemy & the Foot Army, being to Charge vpon all advantages, to defend the Ordnance & great Artillerie when it shall be Assaulted or ingaged; or otherwise to keep the Carriage, Munition and baggage, from the pillage of the Enemy, or other defeiture.

For the range of the Colonels they take their places according to Antiquity; the eldest *Colonell* secondeth the *Generall* the third, the Lord *Marshall*, and so according to Antiquitie their *Regiments* doe troope, either on the one or the other hand, all things being ordered according to Dignity and Antiquity.

Now whereas a question may be demanded touching the place of the *Quartermaster*, were he shall range himselfe; I thus resoluē it. That if the *Quarter-master*, who is a necessary dependant vpon euery Horse Regiment, haue no troope of Horse, as seldome or neuer they haue, then his range or place is euer to troope with the *Collonels Lieutenant*, and the *Commissary* or *Pronost* of euery Regiment with the *Lieutenant Collonels Lieutenant*, or otherwise (at his pleasure) extrauagantly in any other inferior place of the Regiment.

Againe, here is to be noted in the generallitie of the Army where Horse and Foote are mixed together, or whensoever they shall meet either in publicke Court or priuate Counsell, that the Commander of Horse hath priority of place before the Commander of Foot. And howsoever some opinions would sway to the contrary, preferring Number before Vertue; yet it is most certaine, that in all Courts of Warre, the Horseman hath the first place, a *Collonell* of 500. Horse preceeding a *Collonell* of 1000. Foot. A Captaine of 100. Horse takes place before a Captaine of 200. Foot, &c. Antiquity in

this place being no let, but the Dignity carried according to the Honor of the Command, & the Nobility of the number.

Now next vnto these *Curasheirs* are the *Harquebusheirs*, who at this day, and in this present Discipline, stand for the Light Horse; these likewise haue two seuerall Ranges, the one in their ordinary Trooping, and the other, when they come to be drawne vp into ordinary or extraordinary Bodies: For the ordinarie Trooping, it is eyther when they Troope into the Fielde to receiue Directions, or else troope forth as *Vantourers* and Dicouersers of all Impediments that may happen to the Army, for these are they which Scower the Coast, and preuent Ambuscadoes, they make good Ryuers, Bridges, and all straight Passages, and albe their trooping is loose and disbanded, holding no strickt or curious forme, eyther in Ranke or file, nor any certainty in Pace or Motion, but sometimes galloping, sometimes trotting, & sometimes standing still, (as danger or discouerie shall glue way to their proceedings) yet doe they troope most commonly in *Regiments*, the *Vanguard* being led eyther by the *Colonell* himselfe, or some other Officer in Chiefe, who being better acquainted with the places they goe to discouer, hath this Authority cast vpon him, and Rangeth himselfe in the Front, which is the greatest Place of eminence: As the *Colonell* or chiefe Officer thus taketh the First Place, so the *Lieutenant Colonell* taketh the Second, and so the rest of the Captaines successiue, according to their antiquity: These are the ordinary Scoutes, Watchmen, and Sentinells, and if it be in Campe, their guard is euer without the Verge of the Campe, and if it be in a Walled Towne, Citty, or Garrison, their guard is without the walles of the Citty, and their Quarter in the Suburbes, there are Dependants on the Lord *Marshall*, and take directions from his Commands; and thus much for the Range of Horsemen.